

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/002549 A1

(51) International Patent Classification⁷: **A61K 9/28**, 9/50, 38/29

(21) International Application Number: **PCT/DK2004/000482**

(22) International Filing Date: **5 July 2004 (05.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data: PA 2003 01035 4 July 2003 (04.07.2003) DK

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: PARATHYROID HORMONE (PTH) CONTAINING PHARMACEUTICAL COMPOSITIONS FOR ORAL USE

(57) Abstract: A pharmaceutical composition for oral administration comprising PTH, wherein the *in vitro* release of PTH-when tested in a dissolution test of pharmacopoeia standard-is delayed with at least 2 hours and once the release starts, at least 90% w/w such as, e.g., at least 95% or at least 99% of all PTH contained in the composition is released within at the most 2 hours. The composition may also comprises a calcium containing compound and/or a vitamin, D. In particular, PTH is administered in combination with a calcium-containing compound for the treatment or prevention of bone-related diseases, so that I) an effective amount of a calcium-containing compound is administered to lower the plasma level of endogenous PTH, and II) an effective amount of PTH is administered to obtain a peak concentration of PTH once the endogeneous PTH level is lowered. This present a potential therapeutic or prophylactic regimen for bone-related disorders including osteoporosis.